## PATENT COOPERATION TREATY



## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FOR FURTHER ACTION See Form PCT/IPEA/416		orm PCT/IPEA/416						
110081802								
International application No.	International filing date (day/month/year,							
PCT/SE2003/00936	05.06.2003	06.06.2002						
International Patent Classification (IPC) o								
A61K 39/00, C12N 1/00								
Applicant	,							
IMMUNICUM AB et al	· · · · · · · · · · · · · · · · · · ·							
<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>								
2. This REPORT consists of a total of	of 4 sheets, including this c	cover sheet.						
3. This report is also accompanied by	y ANNEXES, comprising:							
a. (sent to the applicant	and to the International Privacy) a total of	sheets, as follows:						
	and to the International Bureau) a total of	have been amended and are the basis of this report						
and/or sheets	containing rectifications authorized by this	s Authority (see Rule 70.16 and Section 607 of the						
	re Instructions).	thority considers contain an amendment that goes						
beyond the dis	sclosure in the international application as	filed, as indicated in item 4 of Box No. I and the						
Supplemental	Box.	•						
b (sent to the Internatio	nal Bureau only) a total of (indicate type a	and number of electronic carrier(s))						
		ting and/or tables related thereto, in computer						
readable form only, as Administrative Instru		ng to Sequence Listing (see Section 802 of the						
4. This report contains indications re	elating to the following items:							
Box No. I Basis of	f the report							
Box No. II Priority								
Box No. III Non-est	ablishment of opinion with regard to nove	lty, inventive step and industrial applicability						
Box No. IV Lack of	unity of invention							
Box No. VI Certain	documents cited							
Box No. VII Certain	defects in the international application							
Box No. VIII Certain	observations on the international applicati	on ·						
Date of submission of the demand	Date of comple	tion of this report						
bute or succession or the demand	Bate of comple	tion of time report						
16.12.2003	14.09.20	104						
Name and mailing address of the IPEA/SE								
Patent- och registreringsverket								
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Form PCT/IPEA/409 (cover sheet) (January 2004)

Bo	x No. I	Be	asis of the report
1.	With	wise indi	to the language, this report is based on the international application in the language in which it was filed, unless icated under this item.
0			port is based on a translation from the original language into the following language is the language of a translation furnished for the purposes of:
			international search (under Rules 12.3 and 23.1(b))
			publication of the international application (under Rule 12.4)
			international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnist	to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" unexed to this report):	
			remational application as originally filed/furnished
	Ш		scription:
		pages pages*	as originally filed/furnished received by this Authority on
l		pages*	
	[-]	the clai	
	لـــا	pages	as originally filed/furnished
		pages*	as amended (together with any statement) under Article 19
		pages*	received by this Authority on
		pages*	received by this Authority on
		the drav	wings:
		pages	as originally filed/furnished
		pages*	
		pages*	
		a seque	ence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3.		The am	nendments have resulted in the cancellation of:
			the description, pages
			the claims, Nos.
			the drawings, sheets/figs
			the sequence listing (specify):
			any table(s) related to the sequence listing (specify):
4.		This representation This r	eport has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule).
			the description, pages
			the claims, Nos.
			the drawings, sheets/figs
			the sequence listing (specify):
			any table(s) related to the sequence listing (specify):
*	If item	4 annlie	s, some or all of those sheets may be marked "superseded."
	19	Tuppiico	s, some of an of those sneets may be marked superseaea.

Form PCT/IPEA/409 (Box No. I) (January 2004)

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:
the entire international application
claims Nos.
because:
the said international application, or the said claims Nos. part of claim 1, claim 13 relate to the following subject matter which does not require an international preliminary examination (specify):
See PCT Rule 67.1.(iv).: Methods for treatment of the human or animal body by surgery or therapy, as well as diagnostic methods.
· ·
the description, claims or drawings (indicate particular elements below) or said claims Nos.  are so unclear that no meaningful opinion could be formed (specify):
i
the claims, or said claims Nos.  are so inadequately supported by the description that no meaningful opinion could be formed.
by the description that no meaningful opinion could be formed.
no international search report has been established for said claims Nos.
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
the written form has not been furnished
does not comply with the standard
the computer readable form has not been furnished
does not comply with the standard
the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in the Annex C-bis of the Administrative Instructions.
See Supplemental Box for further details.

Form PCT/IPEA/409 (Box No. III) (January 2004)

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-15 (parts of claims 1, 15)	YES NO
	Inventive step (IS)	Claims Claims	1-15 (parts of Clarins 1, 15)	YES NO
	Industrial applicability (IA)	Claims Claims	1-15 (parts of Clarins 1, 15)	YES NO

## 2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: WO9421798 A1

D2: CHANG et al. Antigen-Specific Cancer Immunotherapy Using a GM-CSF Secreting Allogeneic Tumor Cell-Based Vaccin. Int.

J.Cancer, 2000, Vol. 86

D3: US20020039583 A

D4: CORINTI et al. Cross-linking of Membrane CD43 Mediates Dentritic Cell Maturation. The Journal of Immunology, 1999,

Vol.162

D5: US6251665 B1 D6: US20020025320 A

The cited documents represent the general state of the art.

The invention defined in claims 1-15 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method and production of a cellular allogeneic vaccin. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-15 is novel and is considered to involve an inventive step. The invention is industrially applicable.